

gr-osmosdr - Bug #3855

Cannot build gr-osmosdr with Gnuradio 3.8

03/22/2019 05:53 PM - martymac

Status:	New	Start date:	03/22/2019
Priority:	Normal	Due date:	
Assignee:	horiz0n	% Done:	0%
Category:			
Target version:			
Spec Reference:			
Description			
Hi,			
Gnuradio has updated their CMake build files for the upcoming version 3.8 :			
https://github.com/gnuradio/gnuradio/commit/ab2fb35677e38a384df3f9503d1f45f64bbc0374			
Unfortunately, gr-osmosdr does not build anymore with those changes. Can you update build files to fix build against Gnuradio 3.8 ?			
An example seems to be provided in the following commit :			
https://github.com/gnuradio/gnuradio/commit/c04188d7f4e7c7673e6ecc839a6455a6f6b20453			
Thanks,			
Ganael.			

History

#1 - 03/22/2019 08:56 PM - laforge

- Assignee set to *horiz0n*

assigning to [horiz0n](#)

#2 - 06/02/2019 06:05 PM - ckoval7

Any movement on this? I'm also having trouble compiling for GR3.8

#3 - 06/05/2019 03:33 PM - st1905

ckoval7 wrote:

Any movement on this? I'm also having trouble compiling for GR3.8

Have a look at this, it should compile for gnuradio 3.8.

<https://github.com/igorauad/gr-osmosdr/tree/gr3.8>

To convert the xml to yaml, you can use this script

<https://gist.github.com/haakov/4228ff6a14486641add538483093e86b>

#4 - 06/07/2019 10:19 AM - martymac

st1905 wrote:

Have a look at this, it should compile for gnuradio 3.8.

<https://github.com/igorauad/gr-osmosdr/tree/gr3.8>

Thanks! Do you know if/when the branch will be merged back to the official repository ?

#5 - 06/07/2019 01:03 PM - st1905

marty mac wrote:

st1905 wrote:

Have a look at this, it should compile for gnuradio 3.8.

<https://github.com/igorauad/gr-osmosdr/tree/gr3.8>

Thanks! Do you know if/when the branch will be merged back to the official repository ?

I don't know if it is going to be merged to the official repo but you can ask Mickey Vänskä >> <https://github.com/mvaenskae>

#6 - 06/11/2019 10:13 AM - marty mac

st1905 wrote:

I don't know if it is going to be merged to the official repo but you can ask Mickey Vänskä >> <https://github.com/mvaenskae>

I've asked him, thanks!

#7 - 07/28/2019 01:48 PM - st1905

- File *gqrx_backtrace.png* added

- File *gqrx_segfault.png* added

- File *osmosdr.png* added

st1905 wrote:

ckoval7 wrote:

Any movement on this? I'm also having trouble compiling for GR3.8

Have a look at this, it should compile for gnuradio 3.8.

<https://github.com/igorauad/gr-osmosdr/tree/gr3.8>

To convert the xml to yaml, you can use this script

<https://gist.github.com/haakov/4228ff6a14486641add538483093e86b>

I can confirm that gr-osmosdr is working on FreeBSD 12(Gnuradio 3.8) but i cant make gqrx work, it always segfaults.

#8 - 08/11/2019 11:08 AM - st1905

- File *gqrx_freebsd12_soapy.png* added

Today i got GQRX working fine too, i had to use "built-in source types: soapy" only soapy is compiled otherwise gqrx segfaults or aborts. All working fine now.

#9 - 08/11/2019 10:17 PM - st1905

Only UHD causes segfault, all other builtin sources work fine.

#10 - 08/12/2019 09:44 PM - st1905

- File *gqrx-2.11.5_9,1.txz* added

- File *gr-osmosdr-0.1.4.99_8,1.txz* added

Added packages for FreeBSD 12 in case someone would like to use them.

#11 - 08/12/2019 09:55 PM - martymac

st1905 wrote:

Added packages for FreeBSD 12 in case someone would like to use them.

Thanks!

I will update the port ASAP. Stay tuned...

#12 - 08/21/2019 08:55 PM - martymac

martymac wrote:

I will update the port ASAP. Stay tuned...

Hello,

Well, I've just committed updates to comms/gr-osmosdr and comms/gqrx FreeBSD ports.

For gr-osmosdr, I've used the branch from : <https://github.com/igorauad/gr-osmosdr/tree/gr3.8> (as well as a small fix for gnuradio-blocks detection : FILE and RTL_TCP were always disabled).

For gqrx, I've used the patch from that pull request : <https://github.com/csete/gqrx/pull/696>

To all people involved: thanks a lot for your hard work, comments and links, it helped me a lot!

Cheers,

Ganael.

#13 - 08/21/2019 09:02 PM - martymac

EDIT: anyway, it would be nice if the gr3.8 branch could be merged upstream :p

#14 - 08/26/2019 10:26 PM - ferrellsl

martymac wrote:

st1905 wrote:

Have a look at this, it should compile for gnuradio 3.8.

<https://github.com/igorauad/gr-osmosdr/tree/gr3.8>

Thanks! Do you know if/when the branch will be merged back to the official repository ?

Thanks so much. I've been struggling for the better part of a week with this and now it works great due to your efforts. I was even able to do a successful build using gr3.9 by a simple edit to the cmakeLists.txt file to have it look for 3.9 instead of 3.8.

#15 - 09/28/2019 06:49 AM - laforge

FYI: We're actively looking for a new gr-osmosdr maintainer (or team of maintainers), who would then take care (among other things) of integrating gr3.8 support, see <http://lists.osmocom.org/pipermail/osmocom-sdr/2019-September/001983.html>

Feel free to step up! Thanks.

#16 - 12/03/2019 02:40 PM - tnt

I had a quick look yesterday at the port to 3.8 on github (both are the same, with just one more commit). gnuradio-blocks wasn't found despite that "fix" because it's not complete / correct.

Adding more patches (from Maitland, the GR package maintainer for debian), I got a more complete version but :

- The updated build system is still far from being "proper".

The remaining issues are too numerous to list (and if I knew them all, I could fix them ... reviewing and finding them is the hard part).
But a couple of examples:

```
set (GR_REQUIRED_COMPONENTS RUNTIME PMT BLOCKS)
```

That stuff doesn't exist in 3.8 anymore

All the GrXXXX in cmake/Modules/... : In 3.8 policy is to always use the ones installed and not local copies anymore. They need to be removed and all the cmake logic adapted to work with the upstream ones.

- It's still missing updates version of the apps that ship with osmosdr. (osmoccom-fft / osmoccom-siggen / ...)
Someone needs to pretty much rewrite those from scratch using the Qt widgets.

Only once someone submits something that fixes both the issue above will a 3.8 release be possible.

#17 - 07/13/2020 10:05 PM - wiml

For what it's worth, I had no trouble compiling the current `master` (`af2fda2`, tag `v0.2.0`) against gnuradio 3.8 (the ubuntu 3.8.1.0~gnuradio~eoan-1 package) and using it with an rtl-sdr dongle.

Files

gqrx_segfault.png	21.5 KB	07/28/2019	st1905
gqrx_backtrace.png	150 KB	07/28/2019	st1905
osmosdr.png	174 KB	07/28/2019	st1905
gqrx_freebsd12_soapy.png	145 KB	08/11/2019	st1905
gqrx-2.11.5_9,1.txz	541 KB	08/12/2019	st1905
gr-osmosdr-0.1.4.99_8,1.txz	315 KB	08/12/2019	st1905